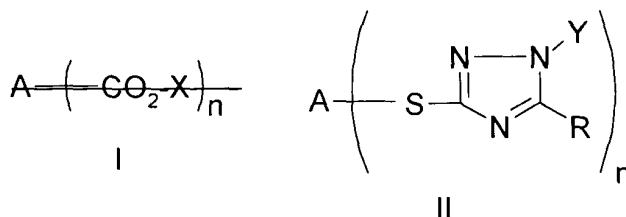


In the Claims

1. (Currently Amended) Photopolymerizable colorant compounds having Formulas I and II:



wherein

A, is a mono-, di-, tri- or tetravalent chromophore;

~~X is -R₄-O-Q or the photopolymerizable group -CH₂-C₆H₄-p-C(R₂)=CH₂;~~

Y is -R₁-O-Q, the photopolymerizable group -CH₂-C₆H₄-p-C(R₂)=CH₂ or Q;

R is ~~selected from~~ hydrogen, C₁-C₆ alkyl, aryl ~~and or~~ C₃-C₈ cycloalkyl;

R₁ is ~~selected from~~ C₂-C₈ alkylene, -(CH₂CH₂O)_m-CH₂CH₂- ~~and or~~

1,4-cyclohexylenedimethylene;

R₂ is ~~selected from~~ hydrogen ~~and or~~ C₁- C₆ alkyl;

n is 1 to 4;

m is 1 - 3;

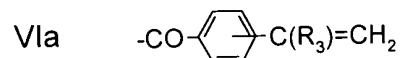
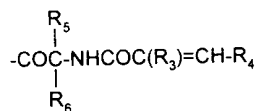
Q is a photopolymerizable group selected from an organic radical having the formula:

Ia -COC(R₃)=CH-R₄

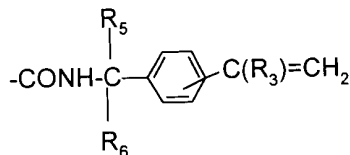
IIa -CONHCOC(R₃)=CH-R₄

IIIa -CONH-C₁ - C₆-alkylene OCOC(R₃) =CH-R₄

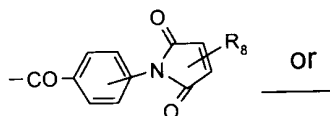
IVa



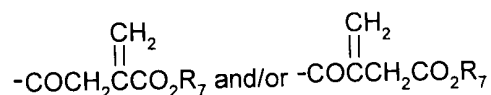
VIIa



VIIIa



IXa



wherein

R_3 is ~~selected from~~ hydrogen or $\text{C}_1 - \text{C}_6$ alkyl;

R_4 is selected from hydrogen; $\text{C}_1 - \text{C}_6$ alkyl; phenyl; phenyl substituted with one or more groups selected from $\text{C}_1 - \text{C}_6$ alkyl, $\text{C}_1 - \text{C}_6$ alkoxy, $-\text{N}(\text{C}_1 - \text{C}_6 \text{ alkyl})_2$, nitro, cyano, $\text{C}_2 - \text{C}_6$ alkoxycarbonyl, $\text{C}_4 - \text{C}_6$ alkanoyloxy and or halogen; 1- ~~and or~~ 2-naphthyl; 1- ~~and or~~ 2-naphthyl substituted with $\text{C}_1 - \text{C}_6$ alkyl or $\text{C}_1 - \text{C}_6$ alkoxy; 2- ~~and or~~ 3-thienyl; 2- ~~and or~~ 3-thienyl substituted with $\text{C}_1 - \text{C}_6$ alkyl or halogen; 2- ~~and or~~ 3-furyl; ~~and or~~ 2- ~~and or~~ 3-furyl substituted with $\text{C}_1 - \text{C}_6$ alkyl;

R₅ and R₆ are independently selected from hydrogen, C₁ - C₆ alkyl, substituted C₁ - C₆ alkyl; aryl; or R₅ and R₆ may be combined to represent a $-(\text{-CH}_2\text{-})_{3-5}$ - radical;

R₇ is ~~selected from~~ hydrogen or ~~a group selected from~~ C₁ - C₆ alkyl, substituted C₁ - C₆ alkyl, C₃ - C₈ alkenyl, C₃ - C₈ cycloalkyl ~~and or~~ aryl; and

R₈ is ~~selected from~~ hydrogen, C₁ - C₆ alkyl ~~and or~~ aryl.

2. (Currently Amended) Photopolymerizable colorant compounds according to Claim 1 wherein A ~~represents a~~ is a mono-, di-, tri- or tetravalent residue of a chromophore selected from the group consisting of anthraquinone, anthrapyridone, anthrapyridine, anthrapyrimidine, anthrapyrimidone, isothiazoloanthrone, azo, bis-azo, methine, bis-methine, coumarin, 3-aryl-2,5-dioxypyrroline, 3-aryl-5-dicyanomethylene-2-oxypyrroline, perinone, quinophthalone, phthalocyanine, metal phthalocyanine, nitroaryl-amine and a 2,5-diarylamino-terephthalic ester residue.

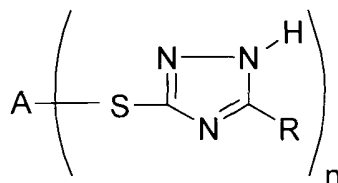
3. (Currently Amended) Photopolymerizable colorant compounds according to Claim 2 wherein ~~X and Y, respectively, are selected from~~ Y is -CH₂CH₂OQ, -CH₂CH(CH₃)OQ, $-(\text{CH}_2\text{CH}_2\text{O})_{1-2}\text{-CH}_2\text{CH}_2\text{OQ}$, -CH₂C(CH₃)₂CH₂OQ, ~~and or~~ -CH₂-C₆H₁₀-CH₂OQ and A is an anthraquinone, anthrapyridone or anthrapyridine residue or a 2,5-diarylamino-terephthalate chromophore residue.

4. (Original) Photopolymerizable colorant compounds according to Claim 2 wherein Q is -COCH=CH₂ or -COC(CH₃)=CH₂.

5. (Canceled)

6. (Canceled)

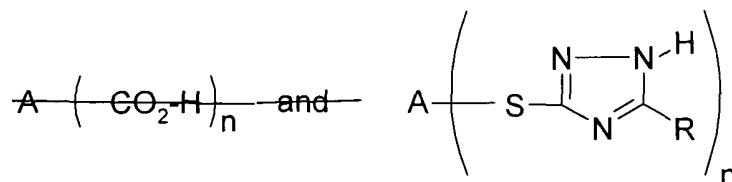
7. (Currently Amended) Process for the preparation of the ~~photopolymerization~~ photopolymerizable colorants defined in Claim 1 ~~having Formula II~~ wherein Y is a p-vinylbenzyl radical having the formula -CH₂-C₆H₄-p-C(R₂)=CH₂ which comprises reacting colored acidic compounds having the structure



with 4-chloromethylstyrene compounds having the structure $\text{ClCH}_2\text{-C}_6\text{H}_4\text{-p-C(R}_2\text{)=CH}_2$ in the presence of a base.

8. (Currently Amended) Process for the preparation of the colored photopolymerizable compounds defined in Claim 1 ~~having Formula I and Formula II~~ wherein ~~X and Y are~~ Y is $-\text{CH}_2\text{CH}_2\text{-O-Q}$ ~~or~~ $-\text{CH}_2\text{CH(CH}_3\text{)-O-Q}$ or Q, which comprises the steps of:

(a) reacting a colored acidic compounds compound having the structures:



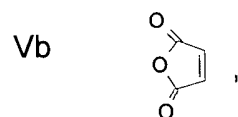
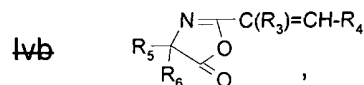
with at least about n molecular equivalents of ethylene or propylene carbonate for each molecular equivalent of acidic ~~compounds compound~~ to produce the 2-hydroxyalkyl derivatives of said acidic ~~compounds compound~~;

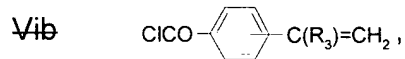
(b) reacting said colored 2-hydroxyalkyl derivatives with about n molecular equivalents of one or more acylating agents having the structures:

Ib $\text{ClCOC(R}_3\text{) = CH-R}_4$ or $\text{O[COC(R}_3\text{) = CH-R}_4\text{]}_2$,

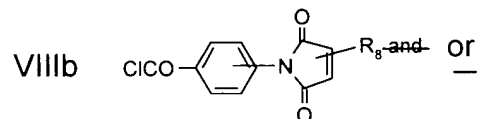
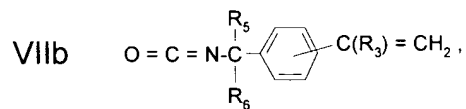
~~IIb~~ IIb $\text{O=C=N-COC(R}_3\text{) = CH-R}_4$,

IIIb $\text{O=C=N-C}_1\text{-C}_6 \text{ alkylene OCOC(R}_3\text{) = CH-R}_4$,





VIb



~~IXb~~

IXb

9. (Canceled)

10. (Amended) ~~Process for the preparation of the colored photopolymerizable compounds defined in Claim 1 having Formula II according to Claim 8~~ wherein Y is a photopolymerizable group Q₁ which comprises the steps of:

(a) reacting a colored acidic triazolythio compound having the structure:

with at least about n molecular equivalents of ethylene or propylene carbonate to produce a hydroxyalkyl compound having the formula

wherein R' is hydrogen or methyl, and

- (b) reacting the hydroxyalkyl compound produced in step (a) with about n molecular equivalents of one or more of an acylating agent selected from acylating agents Ib through IXb of Claim 8.

11.-20. (Canceled)